



COLORADO SPRINGS,
COLORADO

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SEPTEMBER 1994



Pikes Peak Radio Amateur Association, Inc.
P. O. Box 16521
Colorado Springs, Colorado 80935

FIRST CLASS MAIL



Ø BEAT



P.P.R.A.A. Officers and Directors

President—	Steve Westby	WB7VHR	1540 Keith Dr.	80918	570-1070
Vice-President—	Al Vrooman	NØCMW	1341 Diana Ln.	80908	473-1660
Secretary—	Ken Phillips	NØNKP	4850 Santiago Way	80917	574-6368
Treasurer—	Thomas McDaniel	NØNTX	4255 Shining Way	80916	570-1466
Board Member—	Ora Marie Rose	NØQJX	6214 Colter Lane	80915	591-8766
Board Member—	Malcolm Benton	KE8S	16365 Deby Drive	80921	433-2071
Board Member—	Liz Deutch	NØTUK	4305 Ridgeland Dr.	80919	593-8362
Board Member—	Steve Schaarschmidt	KØCI	6155 Tuckerman Ln.	80918	598-3554
Past President—	Luci Stansberry	NØOUD	2630 E. Uintah	80918	638-1290
Ø-Beat Editor—	Kathie Martin	NØYTQ	3148 Maverick Dr.	80918	594-9339
Ø-Beat Editor—	Mike Martin	NØOCZ	3148 Maverick Dr.	80918	594-9339

ZERO BEAT is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80905. For membership and subscription information see last page of this publication. The Pikes Peak Radio Amateur Association meets monthly on the second Wednesday of each month at the Disabled American Veterans, Chapter 26, 6880 Palmer Park Blvd. at 7PM.

EDITORS: Kathie and Mike Martin, NØYTQ and NØOCZ, 3148 Maverick Drive, Colorado Springs, Colorado 80918 (719)594-9339. Deadline for submission of articles or ads is the 20th of each month. Submissions may be sent to the Editor or to the club PO box. Permission to reprint articles is granted provided credit is given to both the author and this publication.

ADVERTISING RATES: Full page \$48; half page \$24; quarter page \$12; business card \$6. These are monthly rates and are billed quarterly. Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80905.

Committee Chairpersons, etc.

Publicity	Al Craig	594-9288
Membership	Las Borst	634-3995
Education	Al Bailey	597-8514
VE Testing	Rick Brown	531-9423
Interference	Bill Petty	591-2116
RACES	Doug Moloney	unlisted
ARES	Mike Stansberry	636-1290
Skywarn	Steve Westby	570-1070
Public Service	Mike Stansberry	636-1290
CCARC	Oak Stockton	570-7782
Club Trailer	Harry Russell	
Ø-Beat	Kathie Martin & Mike Martin	594-9339
Club Historian	Al Craig	594-9288
Falcon Wanderers	Bob Nyman	574-5161
Programs	Steve Schaarschmidt	598-3554
Swapfest	Harvey Hunter	597-8964

Reminder - September Meeting

The next meeting of the PPRAA will be held on Wednesday, September 14th at the Disabled American Veterans Hall located at 6880 Palmer Park Blvd. The meeting starts at 7:00 PM. The scheduled program will be on "The Rocky Mountain Division of the ARRL" given by Marshall Quint and Tim Armagost.

VE Testing

Rick Brown - KDØSU

VE Testing is sponsored by the PPRAA on the 2nd Saturday of February, April, June, August, October, and December. Testing takes place at 9:00 AM at:

Denver Technical College (DTC)
225 South Union
Colorado Springs

While we prefer pre registration, walk-ins are accepted on a space available basis. Anyone wishing to take an examination should bring the following items:

1. \$5.75 (preferably a check or money order made out to ARRL/VEC) for any exam other than element 1A or 2.
2. Picture identification.
3. A copy of your current amateur license as well as the signed original. A copy of any examination credit you have as well as the original. We keep the copies.
4. Pen, pencils, and a calculator if you need one.

To pre register, or if you have any questions, please call me at 531-9423. Please do not call DTC, they only provide us the rooms for testing and they do not have any information concerning the test session.

P.P.R.A. MEMBERSHIP FOR 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
M4HND	WARREN	BAIN	855 CANIBOU DR. WEST	MONUMENT	CO	80132	488-9363
M4TGO	DOUGLAS	PARIS	SPACE CHO DEI CHO 402 BOX1863	APD	AE	09180	495-9346
M5T	BOBBY	PETRUSKY	105 SPANISH OAK DR.	GEORGETOWN	TX	78620	
M5XYX	ERIK	HUDELE	3175 LAYARD LN.	COLO. SPGS.	CO	80917	596-5345
M5ZUH	CALVIN	HEGENAN	PSC BOX 1709	APD	AA	34042	
M5ZXY	DENAYNE	HUCKABEE	2107 PRINCETON WAY	COLO. SPGS.	CO	80909	633-4988
M6ENY	MIKE	MOSKINS	7220 RISING MOON DR.	COLO. SPGS.	CO	80919	531-8362
M6JRL	DONALD	DUBON	5633 OREGON ST.	CANON LEJEUNE	NC	28547	353-8578
M6VTS	JOHN	HIGGINS	7990 SCARBOROUGH DR.	COLO. SPGS.	CO	80920	282-9328
M7AAQ	HARVEY	WATCH	521 ANACONDA DR.	COLO. SPGS.	CO	80919	598-7954
M7OGL	DERMIS	OCNS	850 SANTE FE ST.	COLO. SPGS.	CO	80903	638-8704
M8CTX	GEORGE	HINDS	P.O. BOX 5700	WOODLAND PARK	CO	80064	487-2618
M9HSD	LARRY	DURN	4338 EXCALIBUR CT.	COLO. SPGS.	CO	80917	596-8025
M9THD	LATHLEEN	STUPPERICH	3913 HERXLEY COURT	COLO. SPGS.	CO	80906	526-8870
MFTU	HEL	BROWN	4525 CENTENNIAL BLVD.	COLO. SPGS.	CO	80919	535-2801
MNGOM	NICK	POWELL	8780 RUSTLED CT.	COLO. SPGS.	CO	80918	268-9321
MH4ZD	JEFF	MILLER	4307A EAST ANTELOPE DR.	OSAF ACADEMY	CO	80040	472-6455
MKBL	JEFF	BRODER	3800 MARTIN LN.	TWO RIVERS	WI	54241	
MKBP	BOB	DEUTSCH	4305 RIDGE LANE DR.	COLO. SPGS.	CO	80918	593-8352
MKWE	CHRIS	SMITH	12455 DONOVAN LN.	COLO. SPGS.	CO	80908	495-8624
MDANN	JIM	MERRILL	1434 N. FORTE	COLO. SPGS.	CO	80909	635-1139
MDCHG	FRANK	SAMPLE	252 CUNNINGHAM DR.	COLO. SPGS.	CO	80911	392-1368
MDGO	JOE	MADDOX	900 SATURN DR. P901	COLO. SPGS.	CO	80906	634-7408
MDFPQ	CLARENCE	HOLFE	6750 DALE RD.	COLO. SPGS.	CO	80915	388-9184
MDIHO	ARTHUR	BARDEAU	702 PIONEER LANE	COLO. SPGS.	CO	80904	632-8946
MDLXD	WILLIAM	KING	2916 N. INSTITUTE ST.	COLO. SPGS.	CO	80907	634-4751
MDMCT	BOB	CORNELL	721 LANSING DR.	COLO. SPGS.	CO	80909	596-4216
MDNLY	BENNIS	SHAWL	1231 JAMES LANE	COLO. SPGS.	CO	80909	635-9798
MDHXY	HAL	BERGESON	809 E. VERMILION AVE.	COLO. SPGS.	CO	80903	471-8238
MDRM	PAUL	SIGNORELLI	P.O. BOX 6049	COLO. SPGS.	CO	80934	632-2829
MDUDZ	GEORGE	CLARK	2124 GLENHILL ROAD	COLO. SPGS.	CO	80906	635-4158
MDYD	ED	HEANS	212 FARRAGUT AVE.	COLO. SPGS.	CO	80909	473-6174
MDYNE	HARREN	HICKEY	12895 TIA LANE	COLO. SPGS.	CO	80906	
MDZMZ	DAVID	MILSON	3256 WHITLEY DR.	COLO. SPGS.	CO	80920	599-3819
MDSRQ	WILLIAM	FRENCH	1155 ELLICOTT HWY.	CALHAN	CO	80006	683-2778
MDTJO	THOMAS	BREKTON	3915 CANTRELL DR.	COLO. SPGS.	CO	80911	598-9247
MDTEB	HARRY	BUCHER	21 EAST MAIN ST.	MACOMBIE	PA	18062	966-5588
MDTHR	NEL	MOSE	1907 TESLA DRIVE	COLO. SPGS.	CO	80909	596-8587
MDHBJ	JOE	BROOKING	2627 NEIR AVE.	COLO. SPGS.	CO	80918	471-9868
MDJTD	FRED	ALDEN	7000 GAIL CT.	COLO. SPGS.	CO	80920	
MDPXP	FRANK	FIMNEY	8635 CHANCELLOR DR.	COLO. SPGS.	CO	80920	282-9384
MDYYG	CHARLES	EIMING	3735 E. CRESTA LOMA CIR.	COLO. SPGS.	CO	80911	398-8655
MDUHL	ROSIE	CALABAY	616 E. 31st ST.	COLO. SPGS.	CO	80904	471-9965
MDTBJ	KIRBY	STAFFORD	4018 N. LORING CR.	COLO. SPGS.	CO	80909	596-3522
MDUJY	ELMER	SCHLADWEILER	712 N. 24TH ST.	COLO. SPGS.	CO	80904	471-7328
MDYTX	MINT	TANNER	3306 CORBETT LN.	COLO. SPGS.	CO	80907	634-7563
MDZTJ	DEREK	TOEPPEN	8315 MILLER CT.	COLO. SPGS.	CO	80920	598-7882
MD200B	GREGORY A.	TARCZA	728 BRIDGER DRIVE	COLO. SPGS.	CO	80909	597-7864
MDSEIB	HARVEY	HUNTER	1437 N. CHELTON RD.	COLO. SPGS.	CO	80909	597-8964
MD4SYJ	BOB	ARMSTRONG	1438 ALLEGHENY DR.	COLO. SPGS.	CO	80919	268-1997
MD5RGU	TRAVIS	BRANN	1445 CARLSON DR.	COLO. SPGS.	CO	80919	535-8582
MD7SDU	DAVID	COPHARN	18288 SHILON DR.	RENO	NV	89506	738-7888
MD9ABD	JIMMY	SORELLS	3288 ORIONCLIFF DR.	FLINDLAY	OH	45840	422-1688

P.P.R.A. MEMBERSHIP 100 1994

Call	First Name	Last Name	Address	City	State	Zipcode	Phone
W0000W	GEORGE	LOCKHART	13125 HERRING RD.	COLORADO SPRINGS	CO	80900	495-3983
W001HH	BUN	ERICKSON	6720 FROST DR.	COLORADO SPRINGS	CO	80916	
W00NRP	BOB	HOLONEY	3817 VANDERBILT CIRCLE, SO.	COLORADO SPRINGS	CO	80910	599-9605
W003QW	DAVID	RIESE	619 REYNOLDS DR.	COLORADO SPRINGS	CO	80907	431-0743
W02EYR	WILLIAM	BELLAMY	2413 WARWICK LANE	COLORADO SPRINGS	CO	80909	591-2370
W04HWC	THOMAS	KENNER	9845 WALKER RD.	COLORADO SPRINGS	CO	80906	495-9122
W06YND	HARRY	SIMS	19740 FOUR WINDS WAY	MONUMENT	CO	80132	481-4597
W07TNT	RICK	KILE	4150 ALDER CT.	LOVELAND	CO	80538	942-9179
W07YHR	STEVEN	WESTBY	1540 REITH DR.	COLORADO SPRINGS	CO	80916	570-1070
W07WNT	ROBERT	ROLLER	4046 HERMON CR.	COLORADO SPRINGS	CO	80920	282-0204
W08GYH	THOMAS	COX	4241 HARLOW CIR.	COLORADO SPRINGS	CO	80916	597-9760
W08K	GEORGE	BEAUCHAMP, JR.	1316 N. BENNETT AVE.	COLORADO SPRINGS	CO	80909	635-0750
W05CNP	WAYNE	SHERIDEN	1426 BAYLOR DR.	COLORADO SPRINGS	CO	80909	596-2926
W05GNE	MICHAEL	SIGLER	100 RANGELY DR.	COLORADO SPRINGS	CO	80921	480-3370
W06YH	VIRGINIA	RANGEL	P.O. BOX 49703	COLORADO SPRINGS	CO	80949	590-8693
W0600	ROBERT	GLASER	1104 FLORENCE AVE.	COLORADO SPRINGS	CO	80906	579-0430
W07RY	ROBERT	ANTON	1845 PINUS DR.	COLORADO SPRINGS	CO	80915	637-0227
W08T	BARRY	SPRINGER	11450 HERCULEAN RD.	PAYTON	CO	80831	495-9402
W08H	MIKE	KEELEY	1350 N. ELICOTT HWY.	CALHAN	CO	80800	603-3127
X-----	ROBERT	PIERSANT	6302 CRIPPLE CREEK LN.	COLORADO SPRINGS	CO	80919	593-0027
X-----	PATRICK	PIERSANT	6302 CRIPPLE CREEK LN.	COLORADO SPRINGS	CO	80919	593-0027
X-----	ROGER	SPALDING	616 E. ESPANOLA	COLORADO SPRINGS	CO	80907	578-0399
X-----	HARL	STENICKA	230 HEADBURY	WOODLAND PARK	CO	80863	687-7099
X-----	DENNIS	CONE	4902 WAGONMASTER DR.	COLORADO SPRINGS	CO	80917	
X-----	KAREN	HUNTER	1437 N. CHELTON RD	COLORADO SPRINGS	CO	80909	597-0964
X-----	BARTON	EPLEY	3055 SIERRA VISTA RD.	MONUMENT	CO	80132	481-3786
X-----	KURT	KAHLER	4802-A McNERNEY ST.	FT. CARSON	CO	80913	527-9761
X-----	CAROL	KELLEY	3128 N. ARCANJA 0210	COLORADO SPRINGS	CO	80907	632-1067
X-----	BOB	REEVES	5070 PLATINUM DR.	COLORADO SPRINGS	CO	80918	592-1124
X-----	JACK	WOOD	4413 FENTON RD.	COLORADO SPRINGS	CO	80916	597-2242
X-----	DAVE	WEATHERFORD	3120 ESCAPADO CT.	COLORADO SPRINGS	CO	80917	597-4777
X-----	TERRY	WEATHERFORD	3120 ESCAPADO CT.	COLORADO SPRINGS	CO	80917	597-4777
X-----	LYLE	BELLEUE	3217 BLADTOLA DR.	COLORADO SPRINGS	CO	80907	520-9018
X-----	TEN	HOUSTON	2522 CACTUS DR.	COLORADO SPRINGS	CO	80911	392-6030

WARP SPEED to the HAM RADIO BBS, MR. SULU!

Well, 9600 bps sure seems like warp speed compared to 2400 bps. Thanks to a larger hard drive and a 9600 bps modem donation by Steve NOVDD, the Ham Radio II BBS is operating faster than ever before. Now leave messages or download or upload files in a fraction of the time. Need something or selling something? The message board gets alot of use. There are also hundreds of IBM compatible program and data files for traffic handling, packet radio, contest logging, satellite work, DX, ARRL and NASA bulletins and more. Dial 719-282-0108 (9600-N-8-1) to check it out. (Rob Roller/WB7WHT sysop.)

General Meeting August 10, 1994

Treasurers Report
Previous Balance 2273.58
Income 242.62
Expenses 271.11
New Balance 2245.09

The meeting was called to order at 19:00 by Steve WB7VHR. The treasurers report was submitted. The minutes were corrected regarding the attempted humorous report that Oak had volunteered Malcom for duties at the picnic.

CCARC: Oak KØROL reported the next meeting would be in Westminster CO., on Oct. 8th. Repeater maps are now available from Whit Brown for \$1.00 and a self addressed and stamped envelope. The council has a new phone service listing all VE testing in the area. The council has purchased a new receiver that monitors all repeater pairs for unused frequencies for the purpose of reallocation. If you would like to be a part of the council please notify Oak. He would like a co-deligate.

The GT has been printing our club announcements. Thanks goes to our publicity chairman, Al Craig, N2IWZ. Al reminds us the public exhibit on ham radio will be at the Library on Union street on Sept. 24th. Turn out to support it.

How long do I have to wait for my ticket? Rick Brown reports the FCC may be taking as long as 16-18 weeks. Keep your fingers crossed they will get it together soon.

RACES: Doug reports the meeting times will change. Stay tuned to the net for information. There will be an unannounced training exercise, so keep you callup rosters handy.

ARES/Public Service: We will be supporting the Pikes Peak run and the Run-Bike-Run. The Walk-America will be on Sept. 24th. A sign-up sheet was passed around, or call Mike to volunteer. Listen to the net for new developments and taskings. Jeff has certificates of thanks from the Scottish festival. Mike published the contact points from field day. Doc reported we had lots of help for tear down. How's that for a change? Thanks to all.

The ad-hoc nominating committee for new officers and board members was formed. It is Luci, NØOD, Ron, NKØP, Oak KØROL, and John NØKIC. If you have someone to nominate or wish to volunteer for a position please contact any of these members who volunteered for the committee in order to keep from being nominated.

Hammy was awarded to all the hams who have supported the club and its public service events. No one accepted Hammy since Hammy was resting comfortably at Mike's QTH during the meeting.

Ted Colby WØRA who is running for the Rocky Mountain ARRL representative spoke briefly about the need for Hams to pull together and make their voice heard.

The program was "Television from both sides of the camera" by Joe Maddox WØEQ, Craig Setzer KBØMXQ, and Matt Nagoda. Great job guys. Entertaining and informative. And it shows some TV folks really do have a *genuine* personality on both sides of the cameras.

Board Meeting August 21, 1994

The meeting was called to order at the Picnic by Steve WB7VHR. The following members attended. Al NØCMW, Tom NØNTX, Bill NØNJX sitting in for Ken NØNKP, Liz, NØTUK, Luci NØOD, Steve KØCI, Kathie NØYTQ, Mike NØOCZ, Rosie WAØMNL, Ora NØQJX, Jeff Ryan NØWPA and Oak, KØROL was sitting in for Malcom KE9S.

Luci reported the nominating committee has the following recommendations to date...

Kathleen NØTMD for Treasurer
Jeff NØWPA for Board member
Steve KØCI for President—maybe

Steve, WB7VHR reported Marshall Quiet and Tim Armagost of the Rocky Mountain Division of the ARRL will talk at September general meeting.

Al Craig requested signs for ARES RACES and Skywam for public service events. The request was approved, not to exceed \$150. Al requested approval for a contribution to the edge of space group. The board approved \$225 (\$25 more than last year). The gift subscription of QST for the library had been previously approved, but not yet provided. We will look into this and see it done.

Kathie and Mike have solicited Peter Kummerfeldt to talk on Survival Training for Hams at the February meeting...tentative.

Liz Deutsch NØTUK has been in touch with Prunella who will return this month.

Tom, NØNTX, reports the club typewriter is broken. Bill NØNJX will try to fix it.

Rosie reports the Tri-Cities Breakfast is tentatively scheduled for Saturday Oct. 22nd, after 07:30 AM.

Submitted by Ken NØNKP Club Secretary



PPRAA

September 1994

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday																																																																																											
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PPRAA

October 1994



Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1 7:00 AM Village Inn Breakfast 7:30 AM Breakfast Country Kitchen Widefield (W2TJO) 8:00 PM SCTN 146.97
2 8:00 AM COLORADO ARES NETS 3928.0 7:30 PM RACES HF NET 3990.5 8:00 PM SCTN 146.97	3 8:00 PM SCTN 146.97	4 7:00 PM ARES NET 146.97 8:00 PM SCTN 146.97 9:00 PM RACES NET 146.97	5 8:00 PM SCTN 146.97	6 8:00 PM SCTN 146.97 9:00 PM CMRG Info Net 147.345	7 8:00 PM SCTN 146.97	8 7:00 AM Village Inn Breakfast 7:30 AM Breakfast Country Kitchen Widefield (W2TJO) 8:00 PM SCTN 146.97
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Radio Shack 2 Meter Beam

Rick Brown - KD0SU

Stop--don't run down to Radio Shack and ask for their new antenna. You won't find it in the catalog and the sales person won't know what you are talking about. What you will find is an FM Antenna (Radio Shack 15-1638) easily modified for 2 Meter use. This antenna has a six foot boom, is light weight and has six elements in its original form. I modified mine to make a five element beam with a gamma matched driven element.

These beams come folded with the elements designed to snap into place. The front and rear elements have a metal bracket holding them, and the other elements have a plastic bracket holding them to the boom. I started by snapping all elements into place. The two end elements are left in their original position on the boom. The other elements are moved to new locations. These elements are held in place with rivets that are easily drilled out. I chose the elements I wanted to keep and marked them with the element dimensions from the drawing. The elements should be cut to length with a hacksaw or a pipe cutter. Be careful when you cut the elements as they are very light weight. After cutting the elements to the proper length, mark the boom where you want to mount them. Save the pieces you cut off. I used 2 inch long 8-32 machine screws to mount the elements in their new positions. Whatever you have in the junk box will work just fine.

The two elements you moved to become directors must have the two halves of the elements connected together. I used some of the phasing line from the original feed system. You will need more machine screws here to replace the rivets that held the elements to the plastic mounts.

The driven element is the next part you will want to work on. I made a small bracket from sheet aluminum to mount an SO-239 coax connector to the driven element bracket. Make the metal bracket wide enough to bolt in place with the machine screws holding the elements to the plastic mount. Position the SO-239 so the center

of the coax is 1 3/8 inches from the driven element. Next, cut a 7 1/2 inch piece of left over element material. This will be the gamma arm. Then get a piece of RG8 coax about 10 inches long and remove the outer conductor and the braid. Insert the inner conductor and the dielectric material into the gamma arm. Leave about 1/2 inch of dielectric material and enough inner conductor to connect to the coax connector. I used a scrap of sheet aluminum to make the shorting bar connecting the end of the gamma arm to the driven element. You could flatten a piece of the excess driven element material for this. One caution here, whatever you use for the shorting bar must make good electrical contact with the gamma arm and the driven element. I used steel wool to clean the anodizing off the original elements at those points.

The shorting bar on the gamma arm is the only adjustment for getting the SWR to it lowest point. My antenna showed a reading of 1.2 to 1 at 144.2 MHz. with the bar almost to the end of the arm. Every antenna will exhibit slightly different characteristics due to slight differences in construction and measurement. The dimensions I gave are for the lower two MHz portion of the 2 meter band. If you want to use this antenna in the upper two MHz, you will need to make each element 1/2 inch shorter.

While I don't want to make any gain claims, this antenna does work well for its size and cost. If you are careful, the elements can be folded up and the antenna will go in the trunk of you car for portable or emergency use. I recommend sealing the area of the gamma match arm where the coax dielectric goes into the arm. The coax material and the arm form the gamma capacitor of the matching element, and as it weathers it could change the tuning of the antenna.

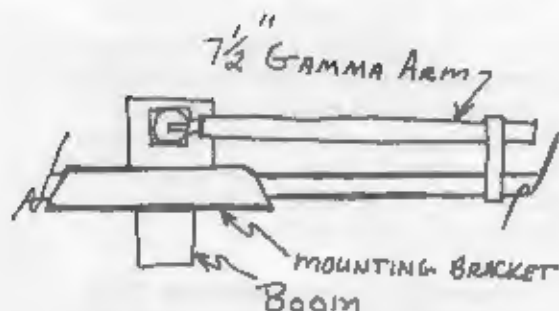
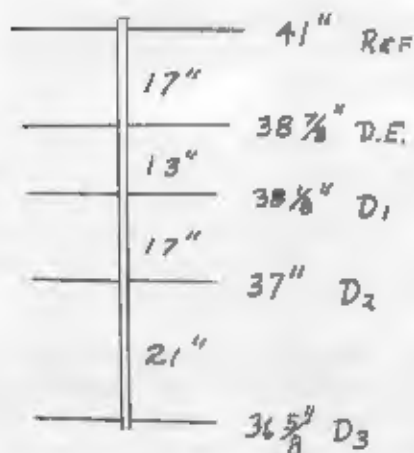
If you are using this antenna for the SSB portion of the band you will want to keep it horizontally polarized. If you are using the antenna for FM or Packet you will want to make it vertically polarized and use a non-conductive supporting pole to reduce distortion of the RF field.

If you look in various antenna handbooks or other articles you will find other dimensions used for the elements and for

the spacing between elements. This only shows there are several ways to make a good Yagi antenna. These dimensions came from an old ARRL VHF Handbook and they work fine for me. One of the reasons I enjoy working with antennas is they can be made to work with a little effort and time. The most critical part of this antenna is the method of matching the coax to the driven element. I originally tried a Delta match with very little success, probably due to the metal boom.

I am interested in hearing from others who try this antenna. If you have other ideas to make the antenna easier to construct please let me know.

DIMENSIONS AND SPACING



OMYL LUNCH BUNCH

Alas, with the summer months winding to a close, the Chowhounds will meet for a most delightful picnic lunch at Thomdale Park, West Unltah and 24th Street, at 12:00 noon on September 22, 1994. It has a covered pavilion, so please bring a picnic lunch, utensils, drinks, etc. It is a great place to have lunch and interesting conversation.

Any questions you might have, please call Rosie at 471-9965. Come on out and join us, one and all.

73's

Rosie Calaway, WAØMNL

Ø-Beat Traffic Net

Dear Friends In the PPRAA (and their friends & family)

We have returned from our trip abroad. We met many wonderful people (Human, Mumlop, and otherwise). By now, you know that Franklin and I are expecting two additions to our family in December. We are already thinking about names. We are going to try to pick 3 or 4 names for both boys and girls. That way we will be ready with a name for each of our little darlings right away. We, of course will welcome any suggestions. Ambrose, our good friend has already made several pairs of baby top covers (what human people would call "baby booties"). Ambrose, by the way, is an expert top cover maker.

Franklin and I are getting ready for the Fall term. Franklin will continue teaching Mumlopeties and I will continue teaching literature. We both learned so much during our recent trip. We hope all of you are as happy about the start of the new school year as we are. Well, I'd better go help Franklin. He is presently engaged in the task of cutting carrots for his famous lima bean casserole and I think he would appreciate some help (Franklin is also a chef and his area of expertise is in legumes).

TaTa, Prunella

LIBRARY SHOW

September 24, 1994

by Al Craig, N2IWZ

Our fourth annual public exhibition of amateur radio will be held at the East Library on Union Boulevard, Saturday, September 24 from 10 am to 3 pm. This will be the third year that we have done this show in cooperation with the Pikes Peak Library District. We did our first show at the Citadel Mall in September, 1991.

The Steering Committee for this year's show are the following:

Al Craig, N2IWZ, Chairman
Steve Schaarschmidt, KØCI,
Co-Chairman
Ron Deutsch, NKØP
John Kramer, NØVBM
Jeff Ryan, NØWPA
Steve Westby, WB7VHR

This year's feature event will be three operating stations at the library, two SSB and one CW. They will be operating from 10 am (probably earlier) through shutdown at 3 pm. As we want to be certain that we will have continuous operation during this time we will establish a list of official operators. If you would like to take part please contact Ron Deutsch who will be coordinating this activity. Ron will be contacting some of you directly. But if you are eager to join the fun don't wait for him to call you. We can only accommodate so many operators and after that we will have to put you on a back-up list.

As fate would have it the March of Dimes walk also happens on September 24. Mike Stansberry, KØTER, has suggested that net control be at the library which will add still another operating station, at least up until noon or thereabouts. Thanks Mike. (If life hands you a lemon, make lemonade.)

We hope to have another balloon launch by Edge of Space Sciences but that has not been definitely firmed up as of August 25 (when this was prepared). Also participation by the Pikes Peak Soaring Society (radio controlled gliders) may be limited because they are hosting a big contest that weekend. Finally we will miss another participant who has been with us from our first show and that is Oak Stockton, KØROL. Oak will be far away that day doing his barber shop quarteting. We will certainly miss his two way ATV but

happily Doug Moloney, WBØMHP, will be able to fill the gap with RACES ATV.

We hope to see lots of you at the library on September 24. We have one request. The purpose of this show is to introduce the public to ham radio. It will be the operating stations that will do that most effectively. So please don't cluster around these stations but leave plenty of room for the public. Thanks.

AWARDS

Rick Brown -- KDØSU

I would like to congratulate a couple of people for the earning ARRL sponsored operating awards.

Butch, KAØWWT, earned a unique version of Worked All States (WAS). He did this by working an Extra Class operator with a two letter call in each of the 50 states. Additionally, he did it all in the Extra class portion of the 75 Meter phone band.

Doug, W2CRS, in Woodland Park is quite an avid VHF operator. He recently brought QSL cards for me to verify three different VHF/UHF Century Club (VUCC) awards. He had over 175 grids confirmed on six meters. It takes 100 grids to qualify for the basic award on six and two meters. Each 25 grids above that earns an endorsement sticker. Doug also had over 175 grids confirmed on two meters to qualify for VUCC on that band as well. If you operate in the SSB portion of two meters you know that there are not many signals Doug doesn't hear or work. Additionally, Doug qualified for VUCC on 10 GHz by working five grids on that band. This is an outstanding effort by Doug.

If you would like earn any of the ARRL sponsored operating awards, check them out in your ARRL Handbook or Operating Manual. I can verify the QSL cards for many awards, so contact me before sending cards to the ARRL.

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Editor's Corner

The Editors of Ø-Beat would like to thank Luci, NØOUD and Ron, NKØP as well as all of the other members of PPRAA for their contribution to our annual picnic. A lot of hard work was involved but it produced good food, clean fun, and a wonderful time enjoyed by all. The day was perfect all around. Congratulations go to Jake Jacobs, NØCYR for winning the Grand Prize—the HTX 202 Handheld. Other winners were Rob Roller, WB7WHT winning the Swiss Colony Food Box and Gloria Ryan, NØZFX winning Rice Krispies. Extra bread was also handed out and the those winners were John Krener, NØVBM; Jeff Miller, NH6ZW; and Al Craig, N2IWZ. Again, thanks to all who helped organize, cook, and clean up. See you next year at the picnic.

Dits and Bits

For Sale: Videonics VTM-1 "Video Title Maker" (cost \$396.50) sell, half price: \$198.25! This is the unit that furnished the gorgeous color graphics at the last PPRAA swapfest ATV demonstration, and the past two East Library ATV demonstrations. Full QUERTY keyboard, millions of colors, many fonts, several sizes, styles, and modes! Anyone into the ATV part of the ham radio hobby needs a "Title Maker." Reason for selling: NEW MODEL is available for my upgrade. Oak, KØROL, (719) 570-7782.

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